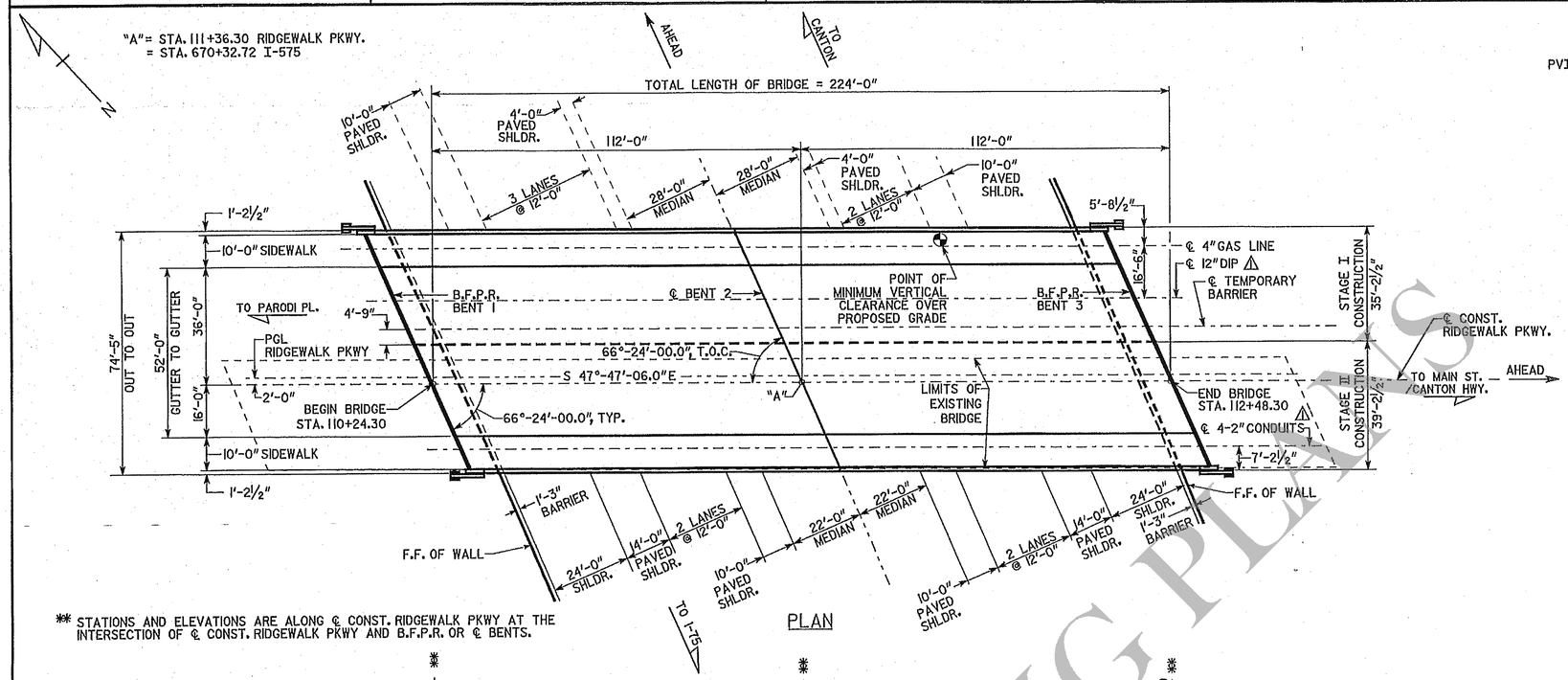
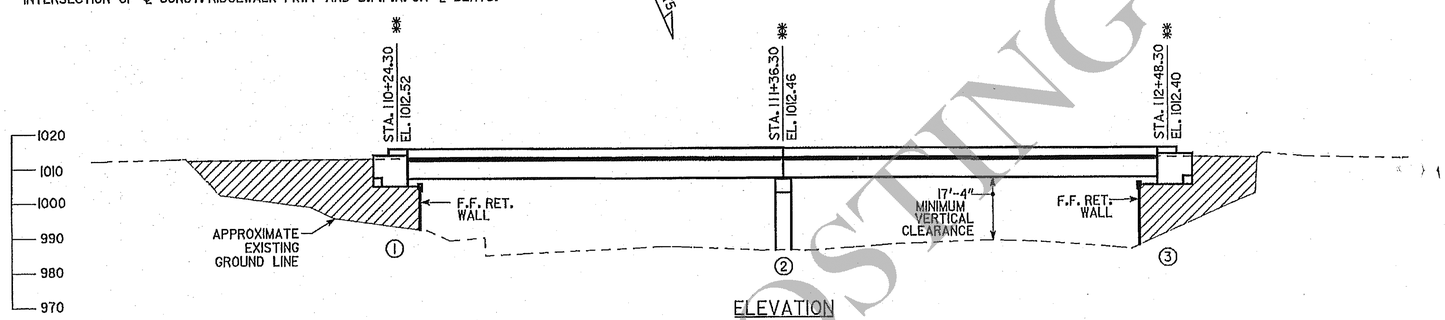
REV. 12/07/2009



PLAN

** STATIONS AND ELEVATIONS ARE ALONG ℄ CONST. RIDGEWALK PKWY AT THE INTERSECTION OF ℄ CONST. RIDGEWALK PKWY AND B.F.P.R. OR ℄ BENTS.



ELEVATION

PVI STA. 109+60.00
EL. 1012.52

PVI STA. 112+87.50
EL. 1012.34

-0.0550%

PROPOSED GRADE DATA
RIDGEWALK PARKWAY

P.I. STA. 669+95.68
Δ = 32°-46'-44.0" LT
D= 1°-30'-00.00"
L= 2185.25'
T= 1123.43'
R= 3819.72'
S.E. = .05 FT/FT

HORIZONTAL CURVE DATA
I-575

STATION	ELEVATION	OFFSET
667+43.52	987.64	68.28 LT
667+90.32	987.34	68.51 LT
668+45.79	986.89	69.12 LT
668+98.97	986.41	69.61 LT
669+47.17	985.93	69.53 LT
669+93.33	985.56	69.19 LT
670+41.08	985.13	68.62 LT
670+88.23	984.60	68.38 LT
671+33.82	983.95	68.18 LT
671+81.04	983.16	67.83 LT
672+25.85	982.38	67.62 LT
672+73.60	981.71	67.78 LT

GRADE DATA
I-575 SOUTHBOUND
OUTSIDE EOP

STATION	ELEVATION	OFFSET
667+43.67	989.14	32.08 LT
668+53.36	988.45	32.95 LT
668+99.24	988.07	33.47 LT
669+46.34	987.69	33.43 LT
669+93.16	987.28	33.04 LT
670+42.28	986.82	32.52 LT
670+88.68	986.28	32.40 LT
671+33.81	985.73	32.13 LT
671+80.37	985.08	31.86 LT
672+25.07	984.30	31.57 LT
672+73.18	983.54	31.61 LT

GRADE DATA
I-575 SOUTHBOUND
INSIDE EOP

STATION	ELEVATION	OFFSET
667+44.23	989.33	31.22 RT
667+50.23	989.32	31.15 RT
667+90.06	989.00	31.00 RT
668+43.84	988.73	30.64 RT
668+99.87	988.45	30.41 RT
669+51.13	988.04	30.25 RT
670+03.64	987.50	30.35 RT
670+57.97	986.81	30.58 RT
671+14.92	985.98	30.66 RT
671+67.53	985.17	30.69 RT
672+24.39	984.38	30.97 RT
672+78.26	983.56	30.92 RT

GRADE DATA
I-575 NORTHBOUND
INSIDE EOP

STATION	ELEVATION	OFFSET
667+89.95	990.09	54.71 RT
668+43.78	989.73	54.36 RT
668+99.88	989.41	54.17 RT
669+50.81	988.94	53.94 RT
670+02.83	988.41	54.10 RT
670+57.86	987.68	54.29 RT
671+14.81	986.88	54.67 RT
671+67.37	986.08	54.60 RT
672+24.47	985.32	54.72 RT
672+77.92	984.55	54.82 RT

GRADE DATA
I-575 NORTHBOUND
OUTSIDE EOP

NOTES:

- ALL BENTS ARE PARALLEL.
- PILES AT BENTS AND WINGWALLS NOT SHOWN.
- PROPOSED BRIDGE DECK TO BE BUILT ON A REVERSED CROWN OF 2%, SLOPING DOWN TO THE LEFT.
- ROADWAY SECTIONS SHOWN NORTH OF THE BRIDGE PLAN REPRESENT EXISTING ROADWAY. ROADWAY SECTIONS SHOWN SOUTH OF THE BRIDGE PLAN REPRESENT PROPOSED ROADWAY.

▨ - INDICATES FILL REQD.

BRIDGE CONSISTS OF

2 - 112'-0" BULB TEE, 63 IN, PSC BEAM SPANS - - - - - - - - - - - - - - - SPECIAL DESIGN
2 - PILE END BENTS - SPECIAL DESIGN
1 - CONCRETE INTERMEDIATE BENT - SPECIAL DESIGN

DESIGN DATA

SPECIFICATION - AASHTO 17TH EDITION, 2002
(DESIGNED FOR SEISMIC PERFORMANCE CATEGORY A)
TYPICAL HS20-44 AND/OR MILITARY LOADING - - - - - - - - - - - - - - - - IMPACT ALLOWED
FUTURE PAVING ALLOWANCE - 30 LBS PER SQ FT

TRAFFIC DATA (RIDGEWALK PKWY.)

TRAFFIC - ADT = 11,850 (2012)
ADT = 17,900 (2030)
DESIGN SPEED - 45 MPH
TRUCKS - 3%
24 HR TRUCKS - 3%
DIRECTIONAL - 60/40

EXISTING UTILITIES

4" DIAMETER GAS MAIN - ATLANTA GAS LIGHT COMPANY

PROPOSED UTILITIES

4" DIAMETER GAS MAIN - ATLANTA GAS LIGHT COMPANY
12" DIAMETER DIP WATERLINE - CITY OF WOODSTOCK △1
4 - 2" CONDUITS - FUTURE USE △1

TRAFFIC DATA (I-575)

TRAFFIC - ADT = 90,850 (2012)
ADT = 156,500 (2030)
DESIGN SPEED - 75 MPH
TRUCKS - 10%
24 HR TRUCKS - 7%
DIRECTIONAL - 59/41

BENCHMARK

REBAR SET INTO GROUND
AT THE FOLLOWING LOCATION:
I-575
STA. 669+83.19
OFF. 6.10' LT
N 2187640.8948
E 1500392.1023
EL. 985.95

BRIDGE SERIAL NO. 057-0065-0
BRIDGE I.D. NO. 057-0178IX-000.10E
PROJECT P.I. NO. 0006043

BRIDGE NO. 1

GEORGIA REGISTERED 32379 PROFESSIONAL ENGINEER DINGXIII JING

Moreland Altobelli Associates, Inc.
2211 Beaver Ruin Road Suite 190
Norcross, Georgia 30071
Tel.: (770) 263-5945

REVISIONS			
BY	DESCRIPTION	DATE	△
QSJ	ADDED UTILITIES	12/07/09	△1

DESIGNED	HHD
DRAWN	DAW
CHECKED	TKD
GDOT LIAISON	
REVIEWED	WEI
APPROVED	PVL
SCALE : 1" = 20'-0"	
OCTOBER 2009	

GEORGIA DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION - OFFICE OF BRIDGE AND STRUCTURAL DESIGN

PRELIMINARY LAYOUT
RIDGEWALK PARKWAY OVER I-575

CSNHS-0006-00(043)
CHEROKEE COUNTY

BRIDGE SHEET 1 OF 2

DRAWING No. 35-0001

X.DGN

COSTING PLANS